

CLAIMS

1. Device for the photoelectric measuring of an object to be measured, comprising:
  - a photoelectric sensor;
  - a measuring lens for directing measuring light originating from a measurement spot on the object to be measured to the sensor; and
  - a control electronic cooperating with the sensor for processing electrical signals produced by the sensor;whereby the sensor includes at least two individually controllable and concentrically positioned partial sensors and that the control electronic includes switching means for selectively switching the partial sensors on or off line.
2. Device according to claim 1, wherein the sensor includes at least three partial sensors.
3. Device according to claim 1 or 2, wherein the measuring optics is constructed for imaging a largest nominal measurement field over the whole surface of all partial sensors.
4. Device according to claim 1 or 2, wherein the partial sensors are constructed as circular or annular photodiodes or photodiode arrangements.
5. Device according to claim 1, constructed to function as a densitometer or color measuring apparatus.